AMENDMENTS TO THE SPECIFICATION

Please amend the specification as follows:

Replace the paragraph on page 9, beginning at line 3, as follows:

Fig. 7 details various functions that are provided to assist in quality control inspection of the simulated print 84. For example, a simulated magnifier can be used for closer inspection of print dots, and a simulated spectrophotometer is used to measure CIE L*A*B* and Delta E values. (CIE = Commission Internationale de l'Eclairage: The International Commission on Illumination.) Comparisons also can be made using control strips. In addition, simulated VOC (volatile organic components) readings can be obtained, and a simulated "tape test" can be conducted to measure adhesion. A virtual densitometer also is provided to measure density, dot grain, and trapping. Histories of quality control inspections are archived in the session files 76 86.

Replace the paragraph beginning on page 9, line 20, as follows:

Referring to Fig. 9, a set of standard print jobs is available. These have already been pretreated by the Print Job Generator 92 and are ready for use by the Display routines in the simulator. Optionally, a print image can be entered for analysis 94 90 using a graphics program 94 such as PhotoShop, for example. The program also will precalculate potential print faults for each color and each level of fault intensity. Control strips and register marks also can be added to each print job. A description of the print job is added to a Production Problem Library 96. The precalculated print faults and proof images having no faults are indexed 98 and stored in a Print Image Library 100.

Replace the paragraph on page 10, beginning at line 2, as follows:

-- 3 --

The Production Problem Library **102** can be used to establish press specification **104**, create training curricula **106**, create and modify press specifications **107**, and to determine materials for production **108**, as illustrated in Fig. 10. A trainer module **109**, discussed further below, also can access the production problem library through these services.

Replace the paragraph beginning at line 26 on page 10 as follows:

Referring more specifically to Fig. 13, a portion of a Control Console User Interface **130** for the control ~~panel~~ console **126** of CI Press **122** is shown. This representative part of the control console illustrates virtual controls **132** for adjusting tension of the substrate as it moves through the press. The console also offers control and data readouts **134** of speed, temperature, pressure, job ticket information, and all the other parameters found on a modern console for a CI flexographic press. Other available control options can be selected from panel **136** at the bottom of the screen. Supplementary control icons **138** provide access to help information and program navigation, for example. An elevation view **139** of the CI press provides a reference regarding the materials paths (reading left to right) through the press, which is echoed in the sequence placement of the tension controls on the screen (unwind to rewind).